

Title (en)

FLOW BATTERY WITH TWO-PHASE STORAGE

Title (de)

DURCHFLUSSBATTERIE MIT ZWEIPHASIGER SPEICHERUNG

Title (fr)

BATTERIE À CIRCULATION COMPRENANT STOCKAGE BIPHASÉ

Publication

EP 2761689 A4 20150401 (EN)

Application

EP 11872918 A 20110928

Priority

US 2011053647 W 20110928

Abstract (en)

[origin: WO2013048383A1] A flow battery includes at least one cell that has a first electrode, a second electrode spaced apart from the first electrode, and an electrolyte separator layer arranged between the first electrode and the second electrode. A reactant material is stored within a storage portion and selectively delivered to the at least one cell. At least one reactant material is present in a solid phase in the storage portion and is present in a liquid phase in the at least one cell.

IPC 8 full level

H01M 6/42 (2006.01); **H01M 8/04** (2006.01); **H01M 8/18** (2006.01); **H01M 8/20** (2006.01); **H01M 8/22** (2006.01)

CPC (source: EP US)

H01M 8/04067 (2013.01 - EP US); **H01M 8/06** (2013.01 - US); **H01M 8/0687** (2013.01 - EP US); **H01M 8/188** (2013.01 - EP US); **H01M 8/20** (2013.01 - EP US); **H01M 8/225** (2013.01 - EP US); **Y02E 60/50** (2013.01 - EP US)

Citation (search report)

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- [X] EP 0517217 A1 19921209 - AGENCY IND SCIENCE TECHN [JP], et al
- [X] US 2010323264 A1 20101223 - CHIANG YET-MING [US], et al
- [Y] US 2004191623 A1 20040930 - KUBATA MICHIRU [JP], et al
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EP3338316A4; WO2017031352A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

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